INTERNATIONAL SEARCH REPORT

International Application No PCT/JP2004/016890

Α.	CLASSIFICATION OF	SUBJECT	MATTER	<i>,</i>
	C12N1/	'20	C12N15	75

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{c} \text{Minimum documentation searched (classification system followed by classification symbols)} \\ \text{C12N} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

		D. L. Latte alaba Na
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х	WO 02/097064 A (KAO CORPORATION; SAWADA, KAZUHISA; ENDO, KEIJI; OZAWA, TADAHIRO; TOHAT) 5 December 2002 (2002-12-05) claims 8,9; sequences 2,1	1-9
Ρ,Χ	& EP 1 391 502 A (KAO CÓRPORATION) 25 February 2004 (2004-02-25)	1-9
Y .	WO 96/34961 A (GENENCOR INTERNATIONAL, INC; UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO) 7 November 1996 (1996-11-07) page 7, paragraph 3; table 1 page 3, paragraph 2; claim 2	1-9
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X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 28 April 2005	Date of mailing of the international search report 01/12/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Marchesini, P

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C.(Continua	etion) DOCUMENTS CONSIDERED TO BE RELEVANT	
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Y	REIZER JONATHAN ET AL: "Novel phosphotransferase system genes revealed by genome analysis — the complete complement of PTS proteins encoded within the genome of Bacillus subtilis" MICROBIOLOGY (READING), vol. 145, no. 12, December 1999 (1999-12), pages 3419-3429, XP002326596 ISSN: 1350-0872 abstract; table 2	1-9
Υ .	YAMAMOTO HIROKI ET AL: "Regulation of the glv operon in Bacillus subtilis: YfiA (GlvR) is a positive regulator of the operon that is repressed through CcpA and cre" JOURNAL OF BACTERIOLOGY, vol. 183, no. 17, September 2001 (2001-09), pages 5110-5121, XP002326597 ISSN: 0021-9193 abstract	1-9
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